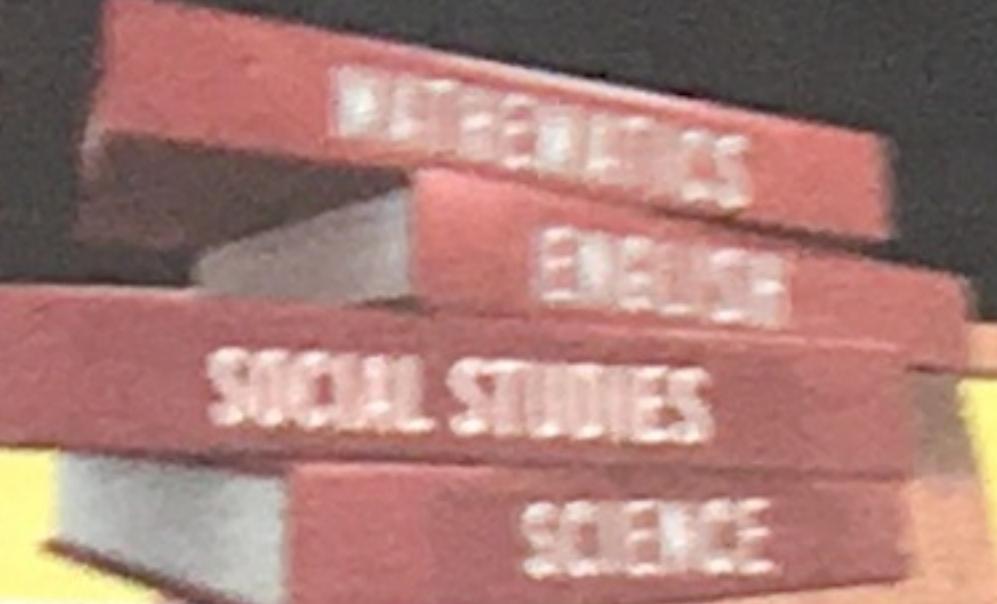


PASS PLE



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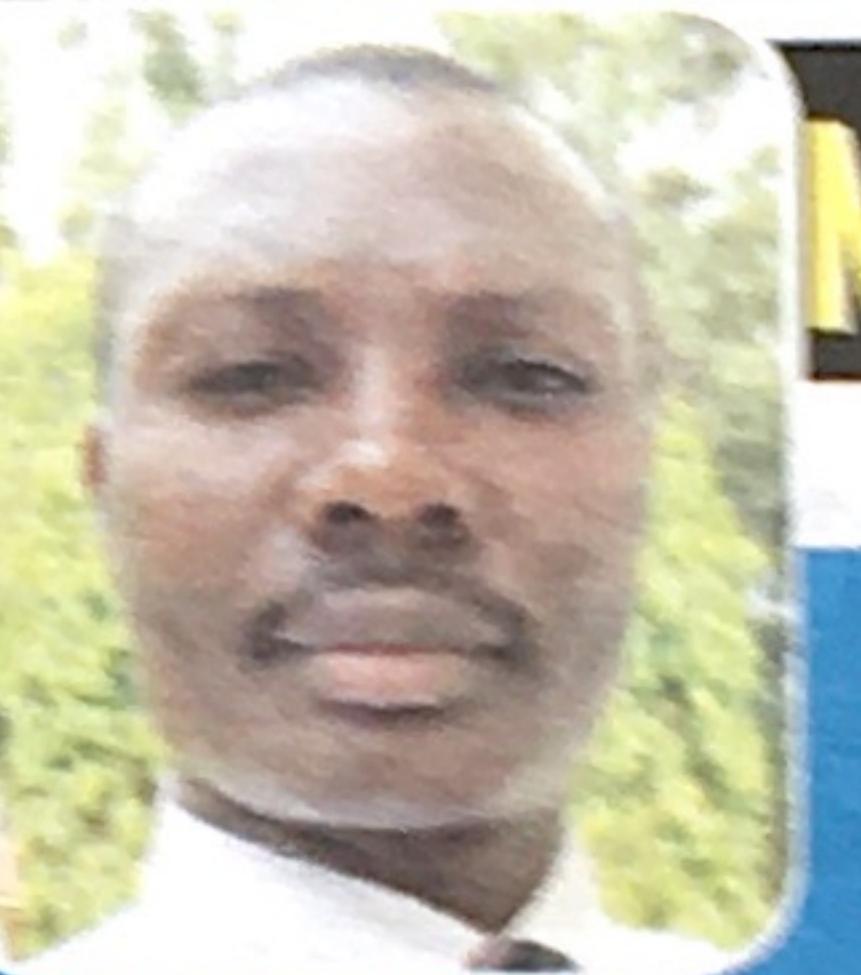
YOUR GUIDE TO A BETTER LIFE THROUGH EDUCATION



Mr. Josephat Karubanga
Kabojja Junior School



Mr. Bernard Mbyehuzya
Kampala Parents Sch



Mr. Michael Musinguzi
Budo Junior School

MATHEMATICS

1. Work out: $34 \div 2$

6. Using a ruler and a pair of compasses only, construct an angle of 150°

9. A fifty five minute lesson started at the time shown on the clock face. At what time did it end?

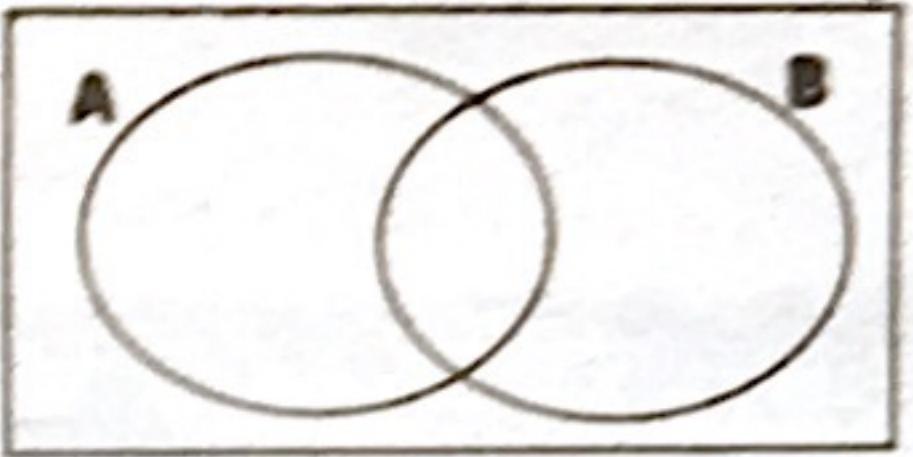


2. What is 0.5 of 20,000 apples

12. Round off 29.97 to the nearest tenth.

13. Increase 240 in the ratio of 4:3.

3. Shade $(A \cup B)^c$ complement



4. Work out: $5 - \frac{1}{4}$

7. Change 7.5kg to grammes

10. Solve for h: $3y + 5 = 11$

14. Express 650 in Roman numerals

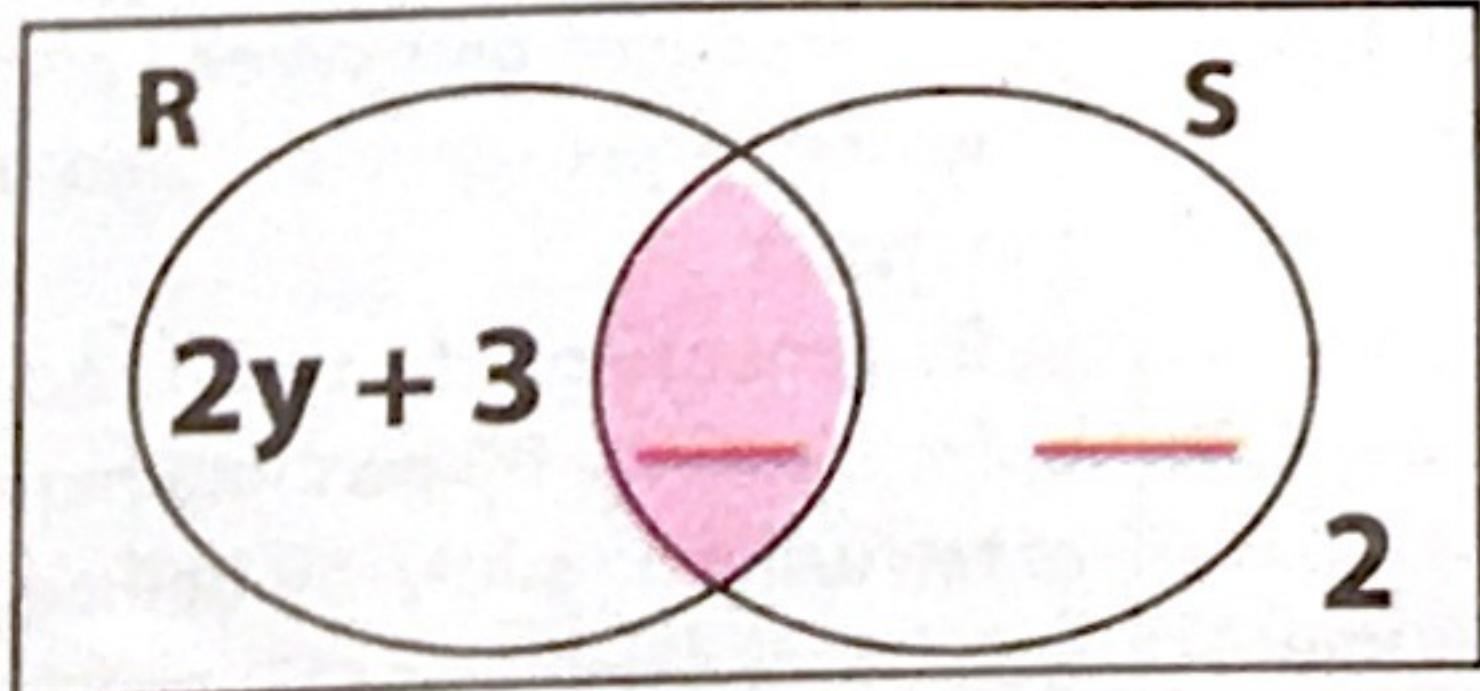
5. Work out: $22_{\text{three}} + 11_{\text{three}}$.

8. Simplify: $18 - 22 + 23$

11. Write 46 in Roman numerals.

15. How can a car moving at 90km per hour go in 90minutes

16. In a certain year in the month of December, $(2y+3)$ days only were rainy(R) while $(y-5)$ days were both rainy and sunny(S). $(y+3)$ days only were sunny and 2days were neither sunny nor rainy.
Complete the Venn diagram below with the information above.



SECTION B

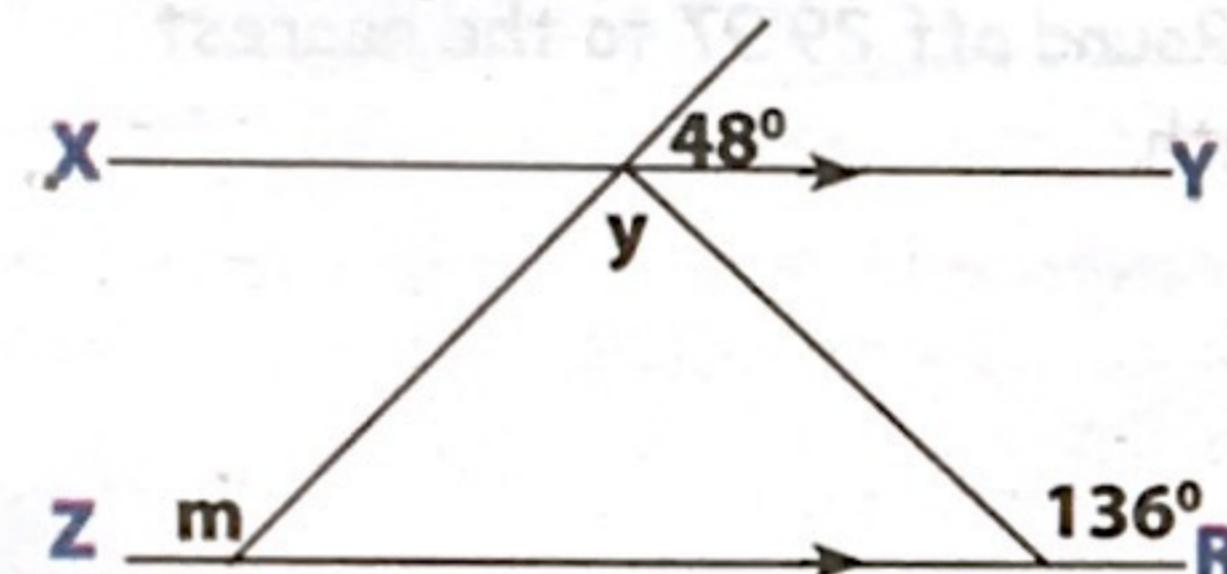
b) Find the value of y.

17(a) Simplify: $\frac{6.4}{0.32} + \frac{1.8}{0.6}$

b) Simplify: $2\frac{1}{3} \div 2\frac{1}{4} \times 1\frac{13}{14}$

18. Buruga borrowed sh. 1,400,000 for a period of 8 months. Calculate the percentage rate of interest per annum if Buruga paid back a total amount of sh. 1,605,000 at the end of the period.

19. Study the figure below



a) Find the value of m.

b) Work out the size of the angle marked y.

20. A mother purchased the following items:-
5 bottles of soda at sh. 1000 per bottle.
3kg of rice at sh. 12000
2kg of meat at sh. 30,000 per kg
500gm of salt at sh. 1400 a kilogram

If he was given a change of sh. 1500, how much money did he have?

- 21.a) Amos gave out $\frac{2}{3}$ of his mangoes to the children, $\frac{1}{4}$ of the remainder to the visitors and he remained with 12 mangoes. Find the number of mangoes he had at first.

- b) For how long will sh. 30,000 yield an interest of sh. 6000 at 4% p.a?



INTEGRATED SCIENCE ANSWERS TO ISSUE 12 (6TH JUNE 2024)

SECTION A

1. Energy
2. Metabolic impurities have been eliminated or removed from it
3. Penguin/ kiwi/ ostrich/ emu
4. Coffee/ bananas/ mangoes/ oranges/ grapes/ tea/ cocoa
5. It leads to respiratory infections or diseases/ it worsens some respiratory diseases eg asthma
6. It is spread on the pit latrines to control houseflies
7. Pulley/ block and tackle pulley
8. By changing the direction of the force/ by reducing the force used
9. It makes its own food and transfers the energy to all other organisms in the food chain
10. It has a hard coat that prevents water from entering the seed to make it rotten/ it has a fibrous coat that makes it float on water
11. A housefly has three main body parts yet a tick has two main body parts/ a housefly has three pairs of legs yet a tick has four pairs of legs
12. Sunshine/ rainfall/ wind/ cloud cover/ air pressure/ temperature
13. To prevent random mating/ to make them concentrate on work/ to make them grow fast and fat/

- to remove or prevent poor quality breeds from the farm
14. It causes lung cancer
15. It leads to school drop outs/ it leads to forced marriage
16. Drone bee
17. Rubbish pit
18. For proper disposal of human wastes (it is a latrine)
19. It prevents tomatoes from rotting/ it prevents tomatoes from being destroyed by ground pests/ it eases harvesting, weeding and spraying
20. It leads to an attack by wild animals/ it leads to easy spread of malaria
21. It leads to anaemia
22. It may lead to unexpected or unwanted pregnancy
23. By giving iron supplements/ by carrying our blood transfusion/ by feeding the patient on a balanced diet.
24. Cow dung/ animal urine/ water
25. It softens the cloth/ it dissolves stains on a cloth
26. By feeding on a balanced diet/ by taking children for immunisation/ by boiling water for drinking/ by smoking latrines/ by bathing children/ by washing for the sick
27. It does not support the growth of germs in bottled drinks

28. It runs machines in industries for production of materials/ it empowers multimedia gadgets for communication/ it is used to run cooking gadgets in hotels

29. Pneumonia 30. It rolls food to mix it well with the digestive juice in the mouth/ it rolls food in order form a bolus for easy swallowing

SECTION B

31. a) To prevent a bad smell in the body/ to prevent skin diseases
- b) Grooming hair/ grooming finger nails/ brushing the teeth/ washing clothes before wearing/ washing beddings before use/ washing hands regularly
- c) It leads to the easy spread of skin diseases/ it leads to easy spread of red eye disease

32. a) Natural brooding/ brooding
- b) It is cheap/ the mother hen is able to feed the young ones/ the mother hen protects the chicks against some attacks
- c) The chicks can easily be killed by bad weather or wild animals/ it is not suitable for commercial purposes/ it is tiresome looking for chicks when the mother hen leads them far and they stray

33. a) Both are produce permanent results/ they are irreversible

- b) Respiration/ chemical digestion
- c) They lead to formation of rainfall/ they enable people to produce alcohol by distillation/ they enable people to produce saline water for medical purposes

34. a) Alcohol
- b) It leads to madness/ it leads to loss of body balance/ it leads to self-neglect/ it leads to peptic ulcers/ it leads to damage of the liver

- c) Self-esteem/ assertiveness/ effective communication/ coping with emotion/ self-awareness

35. a) This is the oxidation of glucose in living body cells to produce energy/ this is the process by which glucose or food is burnt in oxygen to release energy

- b) It enables the body to get energy
- c) Wearing a face mask/ keeping a distance from one person to another

36. a) $V = \text{Base area} \times \text{Height}$
 $V = L \times W \times H$
 $V = 4\text{cm} \times 3\text{cm} \times 5\text{cm}$
 $V = 60\text{cm}^3$

b) $M = D \times V$
 $M = 6\text{g/cc} \times 60\text{cc}$
 $M = 360\text{g}$

37. a) By using other alternative fuels than wood fuel/ by avoiding poaching of animals/ by avoiding bush burning/ by afforestation/ by reforestation/ by practicing agroforestry

- b) i) Nonrenewable resources
- ii) By walking short distances instead of using fuel consuming machines/ by using fuel from renewable resources than using fossil fuels/ by having controlled mining/ by using them sparingly

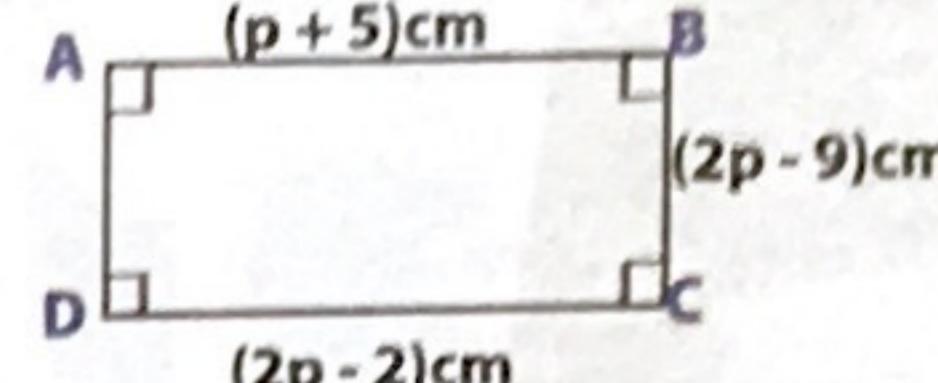
38. a) Gully erosion or gully erosion
- b) Flowing water passes through a given path during and after serious rainfall and carries soil to create rills
- As water continuously flows through the same rills, more soil is carried away making the rills to turn deeper and larger forming gullies

- c) By terracing/ by contour ploughing/ by strip cropping.

39. a) Presence of oxygen/ presence of warmth/ presence of food or substrate

- b) By reheating left over food before eating/ by washing hands after using a toilet/ by boiling milk well before drinking/ by proper disposal of human wastes

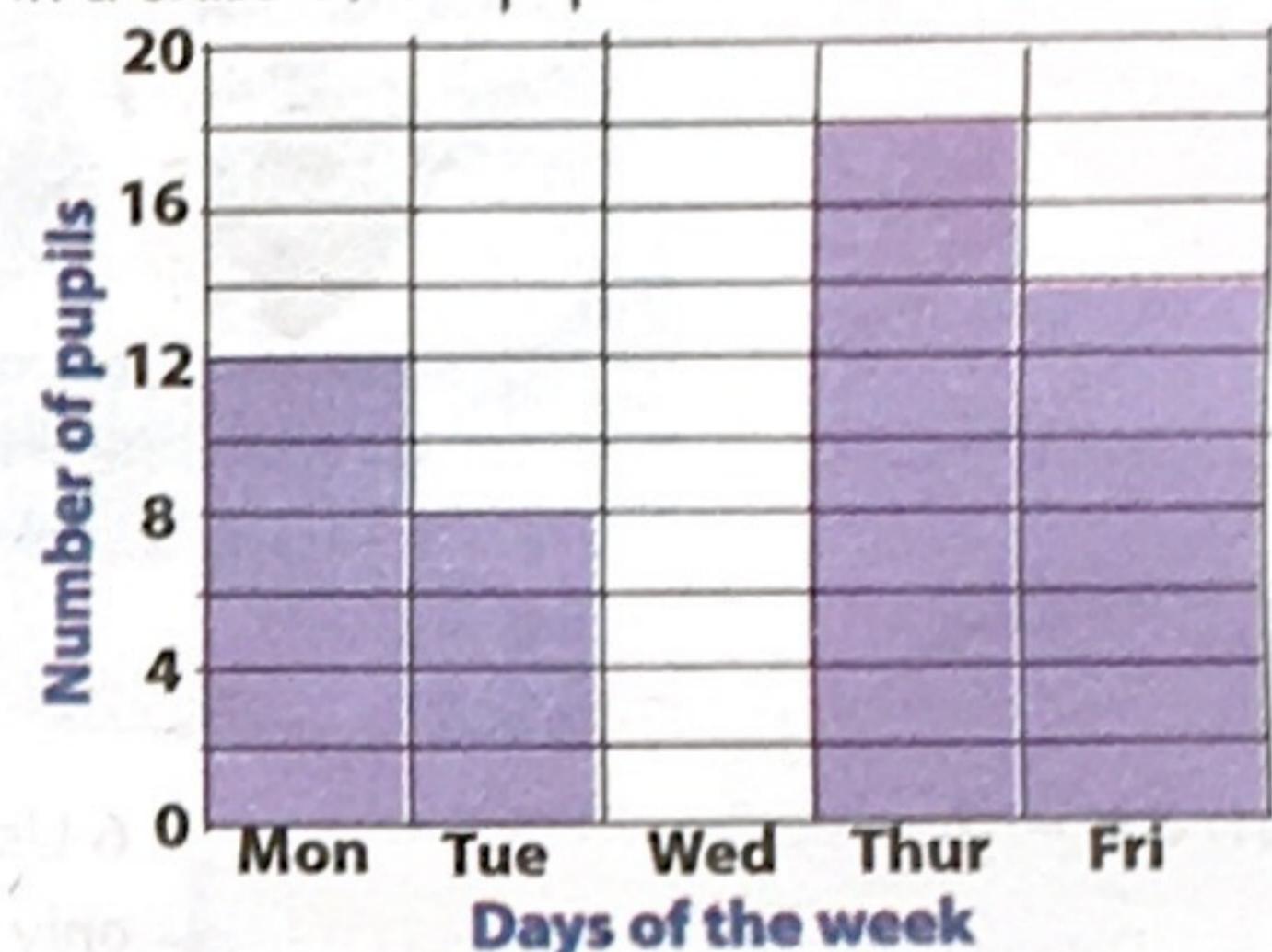
22. ABCD is a rectangle. Use it to answer the questions that follow.



a) Work out the distance around the figure.

b) Find the length of its diagonal.

23. The bar graph below shows the number of pupils absent in a class of 72 pupils over a week.



(a) How many pupils were present on Monday?

(b) On which day were all the pupils present?

(c) What was the average attendance for the whole week

1) Why do crop farmers control soil erosion on slopes of mountains?

2) How do feeder roads promote economic developments in East Africa?

3) What is food security?

4) Give any one example of a non export resource in Uganda.

5) How is the government of Uganda able to know the death and birth rates of people in a country?

6) What was the main use of salt to people in communities during long distance trade?

7) Mention any one occasion when the EAC anthem is sung among people.

8) Why did the early Europeans call Africa a dark continent?

9) Why do countries of the same geographical region form a common market?

10) Which region of Africa has the smallest number of countries?

11) Give any one method /mode of paying school fees parents use in Uganda.

12) State any one positive change brought to Africa by early foreigners.

13) How do harmattan winds affect climate in northern Africa?

14) What makes the Mozambique ocean currents warm?

15) Mention any one human activity favoured by temperate climate of Africa.

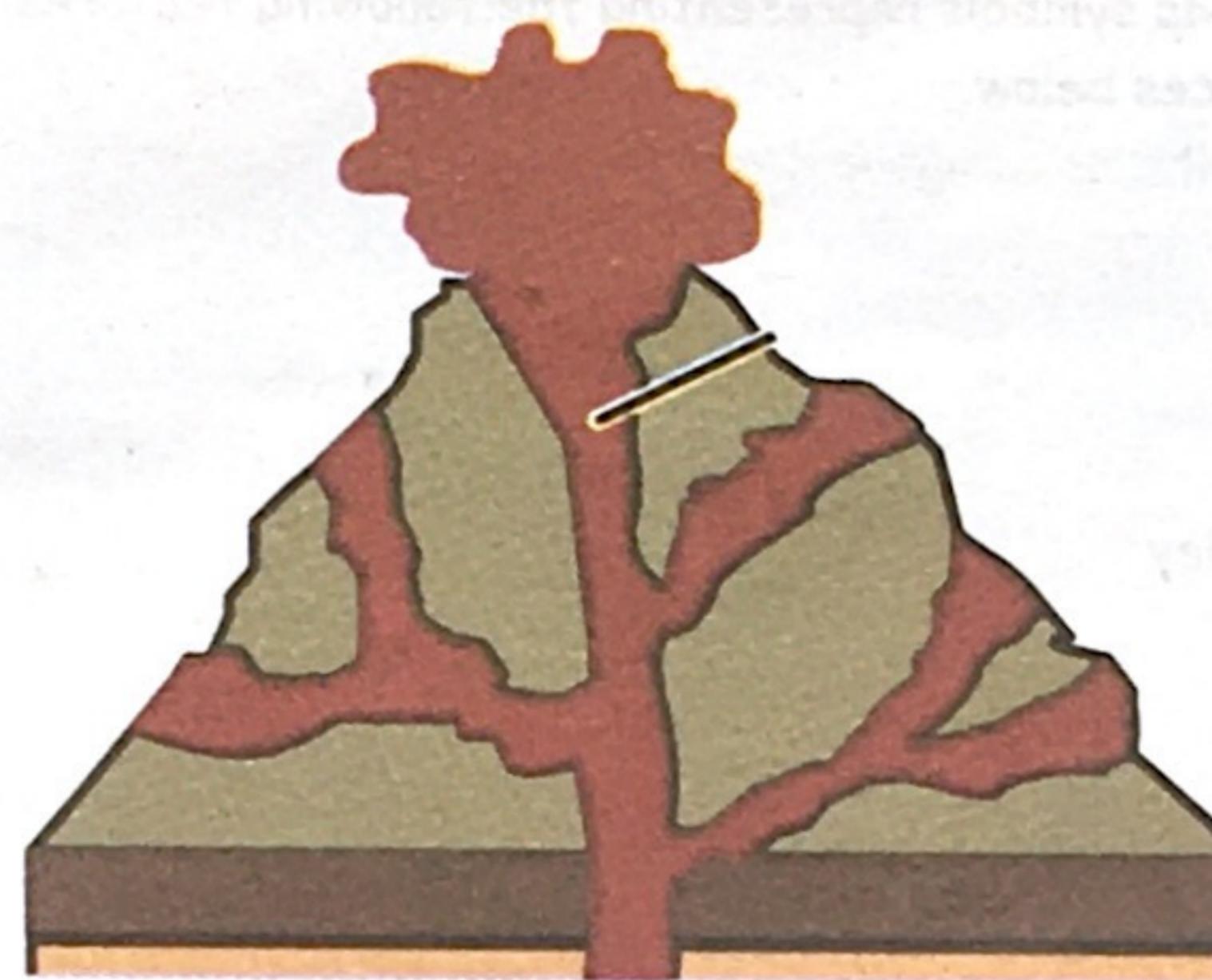
16) Which type of natural vegetation covers the largest part of northern Africa?



SOCIAL STUDIES

SECTION A

17) Name one mountain in Kenya which was formed as shown in the diagram below.



18) Why should all Ugandans embrace tree planting?

19) Why is Africa said to be the cradleland of mankind?

20) How has Gezira irrigation scheme improved the welfare of the Sudanese?

21) Name the European explorer who moved around the banks of river Niger and drowned at Bussa falls.

22) Give one social importance of land.

23) Why is the government of Uganda encouraging foreign investors to come to Uganda?

24) State any one duty of Uganda's national army (UPDF)

FOR NUMBERS 25 TO 30, ANSWER EITHER CHRISTIANITY OR ISLAM QUESTIONS BUT NOT BOTH

25) EITHER, Why do Christians in and outside Uganda celebrate Martyrs day?

OR, Why is Sumayya remembered among Moslems?

26) EITHER, Why do priests read Bible verses to the followers during service?

OR, Why do Sheikhs recite the Quran to Muslim followers during salat?

27) EITHER, What was the work of Mary the mother of Jesus?

OR, What role did Khadijah play in the spread of Islam religion?

28) EITHER, Why did God call Moses on mountain Sinai?

OR, Why did Allah reveal Tauret to prophet Musa?

29) EITHER, Mention any one practice among Christians that helps them inherit the kingdom of Heaven.

OR, Mention one practice among Moslems that will help them to go to Janna

30) EITHER, What is injustice?

OR, What is injustice?

SECTION B

31) State any two negative effects of Long Distance Trade in East Africa.

i)
ii)

b) How did long distance trade promote development in East Africa?

c) Mention any one tribe in Tanzania which participated in long distance trade.

32) Study the diagram below and use it to answer questions that follow



a) Give the importance of the above symbol to EAC member states.

b) Name the features marked by letter Q and H
Q
H

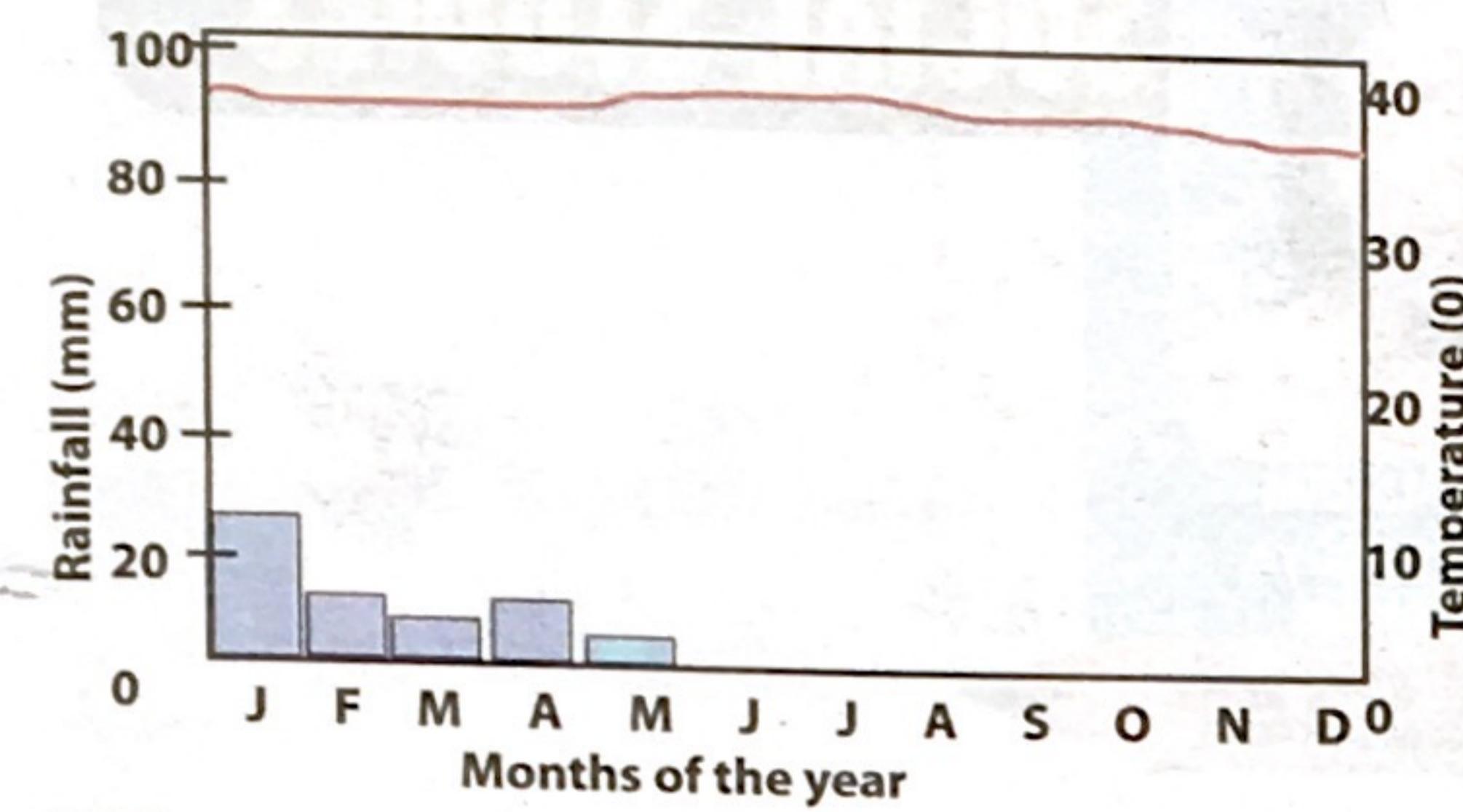
c) Why did EAC collapse in 1977?

33) What is urban - rural migration?

b) Give two causes of urban_rural migration
i)
ii)

c) State one negative effect of rural_urban migration

34) Study the diagram below and answer questions that follow



a) What type of climate is shown above?

b) Give two causes of the type of climate shown above.

i)

ii)

c) Mention any one country in Africa with the above type of climate.

35a) How did the Arabs benefit from their settlement in Africa?

b) Why were the early Arabs hated by the natives in Africa?

c) How did Kiswahili language come into existence?

d) Which form of currency did the Arabs introduce in East Africa?

36. a) What is the main role of the sergeant at arms in the national parliament?

b) Apart from the sergeant at arms, mention two other officials found in a national parliament.

c) How do members of parliament protect people's rights?

37.a) What are map symbols?

b) Why are symbols used on drawn maps?

c) Draw map symbols representing the following features in the spaces below.

i) waterfall

ii) rift valley

38)a. What are tertiary industries?

b) Give two examples of tertiary industries.

i)

ii)

c) How do industries promote economic developments in a country?

FOR NUMBERS 39 TO 40, ANSWER EITHER CHRISTIANITY OR ISLAM BUT NOT BOTH IN A NUMBER

39) EITHER: State one importance of prayer to Christians

b) Give three ways God communicates to people.

i)

ii)

iii)

OR, a) State any one importance of salat to Moslems.

b) Give three ways Allah speaks to people

i)

ii)

iii)

40,EITHER: a) State two causes of conflicts in marriage.

i)

ii)

b) Mention two visible symbols of a religious marriage.

i)

ii)

OR, a) State two common causes of conflicts in marriage.

i)

ii)

b) Give any two conditions a man has to fulfil before Nikah is conducted.

i)

ii)

ENGLISH ANSWERS TO ISSUE 12 (6TH JUNE 2024)

1.rode

2.argument

3.hers

4.gold

5.seen

6.tasteless

7.cruelly

8.dining.

9.preferred

10.smoothed

11.up

12.such

13.Who

14.off

15.helmets

16.crossroads, junction, roundabout, traffic.

17.saw,sew,so,sole,sow.

18.motion

19.Besides

20.unsafe

21.& 22 consider the right usage of the word

23.loaves of bread

24.inquiries

25.traffic rules

26.win

27.uncomfortable

28.always

29.Assistant

30.They would/They had

31.What is a hammer used for?

32.We needn't mistreat domestic animals.

33.A dictionary,as well as a a thesaurus,is a useful book.

34.We should not only treat animals when they fall sick but also feed them when they are hungry.

35.Unless Betty pays the tailor,he will not sew her dress.

36.The baker's cakes were not tasty whereas he used a lot of ingredients.

37.Don't forget to switch off the oven.

38.Who has broken the carpenter's plane?

39.Kamad is related to Kasule.

40.Noel is very young.She can't get married.

41.a. Adudula confectionery company made the advertisement.

b.Buns,cakes, bread, are sold at the company.

c.The advertisement was written on 29th May 2024.

d.The management of Adudula

confectionery company wrote this advertisement.

e.The company is found at Mabirizi House,WillyRoad in Kampala.

f.Apart from selling buns,cakes and bread, the company provides catering services at birthday days, graduations and wedding parties.

g.The company operates on Monday, Tuesdays, Wednesdays, Thursdays, Fridays and Saturdays.

h.One can't visit the company on Sunday because it is closed.

j.One can buy a cake from the company for a wedding reception.

42.a The sub topic being talked about is for P6 class.

b.The sub topic was taught in four lessons.

c.Carpentry is the activity of making and repairing wooden objects according to the passage.

d.At the end of the sub topic, the class had a trip to Mulokole's Carpentry Workshop.

e.I think Shuma John asked these questions because he would like to

become a carpenter.

f.The class observed the process of making furniture in an hour.

g.The writer's class visited Mulokole's workshop.

h begun

i furniture

I CARPENTRY

43 a. The poem is about road accidents.

b.Drivers speed cars.

c.School children risk their lives by playing on the road.

d.There are four stanzas in the poem.

e.The fact that motorcyclists ride when traffic lights have turned red shows that they are impatient.

f.Wewe Chunga wrote the poem.

g.Pavements are made for pedestrians.

h abuse

i danger/ accidents

44

1	2	3	4	5	6	7	8	9	10
f	i	e	g	c	j	h	a	d	b